DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

SYSTEM AND METHOD USING THERMAL IMAGE ANALYSIS AND SLOPE THRESHOLD

CLASSIFICATION FOR POLYGRAPH TESTING

	ication of which					
(check one)	x is attached was filed Application Serial and was amended	on I No	·			
		(II applied	wie)			
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.						
I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, $\S1.56(a)$.*						
I hereby claim foreign priority benefits under Title 35, United States Code §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:						
				PriorityClaimed		
Prior Fore	eign Application(s)			1 1101 ity Claimica		
Prior Fore (Numb		(Country)	(Day/Month/Year Filed)	Yes No		
(Numb	hereby claim the beow and, insofar as ted States application	enefit under Title 35, Ur he subject matter of each on in the manner providuty to disclose materia occurred between the fil	(Day/Month/Year Filed) ited States Code §120 of any h of the claims of this applicated by the first paragraph of T information as defined in any ng date of the prior application	Yes No United States application(s) ation is not disclosed in the itle 35, United States Code Title 37, Code of Federal		
(Numb	hereby claim the be ow and, insofar as t ted States application acknowledge the du ns §1.56(a) which of	enefit under Title 35, Ur he subject matter of each on in the manner providuty to disclose materia occurred between the fil	ited States Code §120 of any hof the claims of this applicated by the first paragraph of T information as defined in ng date of the prior application.	Yes No United States application(s) ation is not disclosed in the itle 35, United States Code Title 37, Code of Federal		

Address all correspondence to JOHN G. SHUDY, JR. at Customer Number 000128.

Express Mail: EK930858070US Ioannis Pavlidis, et al, Inventors John G. Shudy, Jr., Attorney H0002443-02 November 13, 2001 I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole or First Inventor	IOANNIS PAVLIDIS		
		Date	, 2001
Residence		County)	
Citizenship	Greek		
	5440 COLUMBUS AVENUE SOUTH		
	MINNEAPOLIS, MINNESOTA 55417		
Full Name of Sole or First Inventor	JAMES LEVIN		
Inventor's Signature		Date	, 2001
Residence			
Citizenship			
Post Office Address			

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
 - (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
 - (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application;
 - (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.